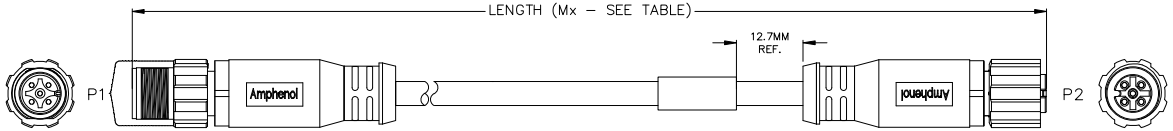
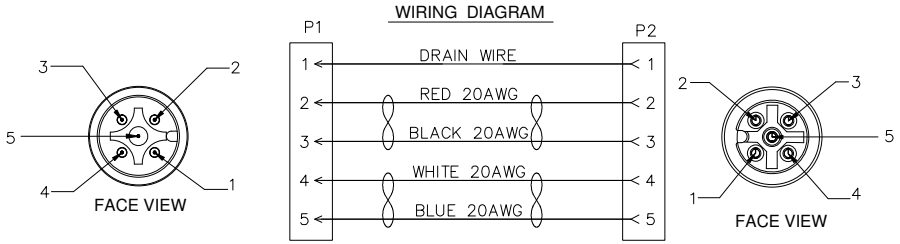
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASE	28MAR16	JAH	KING

TOLERANCE
0-2.99 M = +100.0/-25.0mm
3-8.99 M = +150.0/-25.0mm
9-14.99 M = +300.0/-25.0mm
15-OVER M = +450.0/-25.0mm



WIRING DIAGRAM



TECHNICAL DATA:

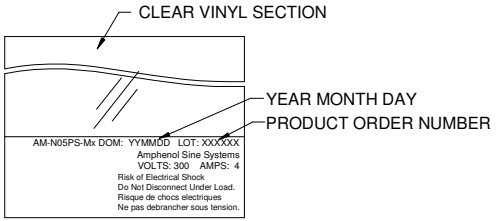
1) MATERIALS:
COUPLING NUT: THERMOPLASTIC, NYLON, UL94 V-0;
INSULATION INSERT: THERMOPLASTIC, NYLON, UL 94V-0;
MACHINED CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY;
SEAL:EPDM,RED
PREMOLD MATERIAL: HOTMELT, BLACK;
OVERMOLD MATERIAL: THERMOPLASTIC, PVC COLOR: GRAY;
CABLE, 1P*20AWG, SIGNAL PAIR, DOUBLE FOAM-PE INSULATOR,
1P*20AWG, POWER PAIR, PVC INSULATOR AND NYLON COATED;
CABLE RATING: 80°C, 300V;
CABLE JACKET MATERIAL: PVC
FIXED INSTALLATION BENDING RADIUS : 7*OD

2) ELECTRICAL DATA:
CURRENT (MAX): 4A
VOLTAGE (MAX): 300V
DIELECTRIC TEST VOLTAGE: 500V

3) MECHANICAL DATA:
TEMPERATURE RANGE: -40°C TO 80°C
PROTECTION: IP67 (MATED CONDITION)
MATING CYCLES: >100

4) RoHS COMPLIANT

LABEL DETAIL:



STANDARD VARIANTS	
P/N	LENGTH (METERS)
AM-N05PS-M0.3	0.3
AM-N05PS-M1	1.0
AM-N05PS-M3	3.0
AM-N05PS-M5	5.0
AM-N05PS-M9	9.0
AM-N05PS-M20	20.0

CUSTOMER DRAWING

	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	MATERIALS LIST		

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30
2 PL DEC ±0.15
3 PL DEC ±0.08
Fractions ±1/64
Angles ±1°
3) Note reference = X

MATERIAL SPECIFICATIONS: NOTED

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	FLAN	14AUG15
CHECKED:	CHELSEA	14AUG15
ENGINEER:		
APPROVAL:	KING	14AUG15
CUSTOMER:		

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Amphenol

Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

DOUBLE ENDED NMEA 2000
M/F PLUG

SIZE	TYPE	DWG NO:	REVISION
A4	C-	AM-N05PS-Mx	A1
SCALE: NONE		AM-N05PS-Mx	SHEET 1 OF 1

TITLE: DBL ENDED NMEA 2000 M/F PLUG
DWG NO: AM-N05PS-Mx
REV: A1
SH: 1
OF: 1